



UNITED STATES PATENT AND TRADEMARK OFFICE

M.N

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/920,756	08/03/2001	Jason Paul Irwin	9361	5974
26884	7590	06/27/2007	EXAMINER	
PAUL W. MARTIN NCR CORPORATION, LAW DEPT. 1700 S. PATTERSON BLVD. DAYTON, OH 45479-0001			DINH, KHANH Q	
			ART UNIT	PAPER NUMBER
			2151	
			MAIL DATE	
			DELIVERY MODE	
			06/27/2007 PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No.	Applicant(s)
	09/920,756	IRWIN ET AL.
	Examiner	Art Unit
	Khanh Dinh	2151

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on 10 April 2007.
 2a) This action is FINAL. 2b) This action is non-final.
 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 1-11 and 17-23 is/are pending in the application.
 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
 5) Claim(s) _____ is/are allowed.
 6) Claim(s) 1-11 and 17-23 is/are rejected.
 7) Claim(s) _____ is/are objected to.
 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
 10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____. _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 4/20/2007 has been entered. Claims 1-11 and 17-23 are presented for examination.

Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 1-11 and 17-23 are rejected under 35 U.S.C. 103(a) as being unpatentable over Paul, US pat. No.6,687,817 in view of Williams et al, US pat. No.5,945,988.
As to claim 1, Paul discloses a computer-implemented method of configuring a point of sale (POS) terminal to execute a handheld platform operating software comprising the steps of:

Art Unit: 2151

reading generic configuration settings from a storage device and storing generic configuration settings in a memory (writing network configuration into a file on the first device such as laptop device, see fig.3, col.1 lines 32-55 and col.3 lines 19-46);

conducting an automated search for and retrieval of computer system specific settings by the terminal (generating a worldwide unique identifier placed in the configuration request for use in subsequent transmissions to the new device sending a “configuration pending” message from the configuration device to mark the message for the new device, see col.3 line 29 to col.4 line 11), the automated search and retrieval comprising:

determining if first computer system-specific configuration settings are stored on an attached storage device accessible by the terminal through a direct connection between the terminal and the storage device (connecting the terminal and the storage device through a network to provide multicast messages, see fig.7, col.5 line 38 to col.6 line 28), if said first computer system-specific configuration settings are stored on said storage device, copying said first computer system-specific configuration settings to said memory (see col.3 line 47 to col.4 line 11);

determining if second computer system-specific configuration settings are stored on network devices accessed through a network; if said second computer system-specific configuration settings are stored on the network device, copying said second computer system-specific configuration settings to said memory, setting a boot status setting and rebooting said POS terminal to execute the handheld platform operating software according to computer specific configuration settings stored in said memory (see fig.4, col.4 lines 12-50 and col.5 lines 4-35).

Art Unit: 2151

Paul does not specifically disclose computer system specific configuration settings including at least one of brightness, volume, and energy saving settings. However, Williams discloses computer system specific configuration settings including at least one of brightness, volume, and energy saving settings (configures system configuration settings of system in accordance with the user preference information found in the user profile corresponding to the identified user including volume, see abstract, fig.2, col.5 line 30 to col.6 line32). It would have been obvious to one of the ordinary skill in the art at the time the invention was made to implement Williams's teachings into the computer system of Paul to update user preference data information because it would have enabled users to monitor and update a wide range of configurable options in a profile database in a communications network.

As to claim 2, Paul discloses the second computer system specific configuration settings include at least one of first computer system specific configuration settings (see col.6 lines 1-46).

As to claim 3, Paul discloses the configuration settings identify configuration settings to be stored (see col.5 lines 3-67).

As to claim 4, Paul discloses a computer-implemented method of configuring a POS terminal to execute a handheld platform operating software comprising the steps of:
reading generic configuration settings from a storage device and storing generic configuration settings in a memory (writing network configuration into a file on the first device, see fig.3, col.1 lines 40-55 and col.3 lines 19-46);

conducting an automated search for and retrieval of computer system specific settings by the terminal (generating a worldwide unique identifier placed in the configuration request for use in subsequent transmissions to the new device and sending a “configuration pending” message from the configuration device to mark the message for the device, see col.3 line 29 to col.4 line 11), the automated search and retrieval comprising:

determining if first computer system-specific configuration settings are stored on an attached storage device (connecting the terminal and the storage device through a network to provide multicast messages, see fig.7, col.3 line 47 to col.4 line 11 and col.5 line 38 to col.6 line 28 and col.3 line 47 to col.4 line 11);

if said first computer system-specific configuration settings are stored on said storage device, copying said first computer system-specific configuration settings to said memory, setting a boot status setting and rebooting said POS terminal to execute the handheld platform operating software according to computer specific configuration settings stored in said memory (see fig.4, col.4 lines 12-50 and col.5 lines 4-35).

Paul does not specifically disclose computer system specific configuration settings including at least one of brightness, volume, and energy saving settings. However, Williams discloses computer system specific configuration settings including at least one of brightness, volume, and energy saving settings (configures system configuration settings of system in accordance with the user preference information found in the user profile corresponding to the identified user including volume, see abstract, fig.2, col.5 line 30 to col.6 line32). It would have been obvious to one of the ordinary skill in the art at the time the invention was made to implement Williams's teachings into the computer system of Paul to update user preference data information because it

would have enabled users to monitor and update a wide range of configurable options in a profile database in a communications network.

As to claim 5, Paul discloses a computer implemented method of configuring a POS terminal to execute a handheld platform operating software comprising the steps of:

reading generic configuration settings from a storage device and storing generic configuration settings in a memory (writing network configuration into a file on the first device such as laptop device, see fig.3, col.1 lines 32-55 and col.3 lines 19-46);

conducting an automated search for and retrieval of computer system specific settings by the terminal (generating a worldwide unique identifier placed in the configuration request for use in subsequent transmissions to the new device sending a “configuration pending” message from the configuration device to mark the message for the device, see col.3 line 29 to col.4 line 11), the automated search and retrieval comprising:

determining if a connection is available to the terminal; if a network connection is available, determining if second computer system-specific configuration settings are stored on a network (connecting the terminal and the storage device through a network to provide multicast and configuration messages and , see fig.7, col.3 line 47 to col.4 line 11 and col.5 line 38 to col.6 line 28);

if said second computer system-specific configuration settings are stored on a network, copying said second computer system-specific configuration settings to

said memory, setting a boot status setting and rebooting said POS terminal to execute the handheld platform operating software according to computer specific configuration settings stored in said memory (see fig.4, col.4 lines 12-50 and col.5 lines 4-35).

Paul does not specifically disclose computer system specific configuration settings including at least one of brightness, volume, and energy saving settings. However, Williams discloses computer system specific configuration settings including at least one of brightness, volume, and energy saving settings (configures system configuration settings of system in accordance with the user preference information found in the user profile corresponding to the identified user including volume, see abstract, fig.2, col.5 line 30 to col.6 line32). It would have been obvious to one of the ordinary skill in the art at the time the invention was made to implement Williams's teachings into the computer system of Paul to update user preference data information because it would have enabled users to monitor and update a wide range of configurable options in a profile database in a communications network.

As to claim 6, Paul discloses a computer implemented comprising the steps of:

loading generic configuration settings, conducting an automated search for and retrieval of computer system specific settings (generating a worldwide unique identifier placed in the configuration request for use in subsequent transmissions to the new device sending a "configuration pending" message from the configuration device to mark the message for the device, see col.3 line 29 to col.4 line 11), the automated search including determining whether the terminal is connected to a storage device accessible to the terminal through a direct connection between the terminal and the storage device (connecting the terminal and the storage

device through a network to provide multicast and configuration messages, see fig.7, col.5 line 38 to col.6 line 28);

and method of configuring a computer system loading computer system-specific configuration settings executing handheld platform operating software (writing network configuration into a file on the first device, see fig.3, col.1 lines 32-55 and col.3 lines 19-46); and rebooting the POS terminal to execute the handheld platform operating software according to the loaded computer computer-specific configuration settings (see fig.4, col.4 lines 12-50 and col.5 lines 4-35).

Paul does not specifically disclose computer system specific configuration settings including at least one of brightness, volume, and energy saving settings. However, Williams discloses computer system specific configuration settings including at least one of brightness, volume, and energy saving settings (configures system configuration settings of system in accordance with the user preference information found in the user profile corresponding to the identified user including volume, see abstract, fig.2, col.5 line 30 to col.6 line 32). It would have been obvious to one of the ordinary skill in the art at the time the invention was made to implement Williams's teachings into the computer system of Paul to update user preference data information because it would have enabled users to monitor and update a wide range of configurable options in a profile database in a communications network.

As to claim 7, Paul discloses system-specific configuration settings are read from a storage device accessed over a network (see col.3 line 47 to col.4 line 11).

As to claim 8, Paul discloses computer system-specific configuration settings are read from a storage device and loading computer system-specific configuration settings from a network device accessed over a network (see fig.4, col.4 lines 12-50).

As to claim 9, Paul discloses computer system-specific configuration settings from the network (see col.5 lines 3-38).

As to claim 10, Williams discloses configuration settings including at least one of: color depth, peripheral device, delay period, communication port and baud rate settings for the POS terminal (see col.7 line 42 to col.8 line 48). It would have been obvious to one of the ordinary skill in the art at the time the invention was made to implement Williams's teachings into the computer system of Paul to update user preference data information because it would have enabled users to monitor and update a wide range of configurable options in a profile database in a communications network.

Claim 11 is rejected for the same reasons set forth in claim 3.

As to claim 17, Paul discloses a computer-implemented method of storing configuration settings of a POS terminal to executing a handheld platform operating software comprising the steps of: performing an automated search by the terminal to determine if a storage device is connected to the POS terminal to executing a handheld platform operating software (writing network configuration into a file on the first network device, see fig.3, col.1 lines 32-55 and col.3

line 19 to col.4 line 11), the storage device being accessible to the POS terminal through a direct connection between the terminal and the storage device (connecting the terminal and the storage device through a network to provide multicast and configuration messages, see fig.7, col.5 line 38 to col.6 line 28);

if the storage device is connected to the computer system, storing computer system-specific configuration settings to the storage device (see col.3 line 47 to col.4 line 11); performing an automated search by the terminal to determine if the computer system is connected to a network connection having a computer system; and if the network connection having a computer system is connected to the POS terminal, storing computer system-specific configuration settings to the computer system (see fig.4, col.4 lines 12-50 and col.5 lines 4-35). Paul does not specifically disclose computer system specific configuration settings including at least one of brightness, volume, and energy saving settings. However, Williams discloses computer system specific configuration settings including at least one of brightness, volume, and energy saving settings (configures system configuration settings of system in accordance with the user preference information found in the user profile corresponding to the identified user including volume, see abstract, fig.2, col.5 line 30 to col.6 line 32). It would have been obvious to one of the ordinary skill in the art at the time the invention was made to implement Williams's teachings into the computer system of Paul to update user preference data information because it would have enabled users to monitor and update a wide range of configurable options in a profile database in a communications network.

As to claim 18, Paul discloses a computer implemented method of storing configuration settings of a POS terminal comprising the steps of:

receiving a specified event at the POS terminal and performing an automated search by the POS terminal for computer specific configuration settings (generating a worldwide unique identifier placed in the configuration request for use in subsequent transmissions to the new device sending a “configuration pending” message from the configuration device to mark the message for the device, see col.3 line 29 to col.4 line 11), the search including determining if computer system specific configuration settings are available for retrieval from a storage device connected to the POS terminal (writing network configuration into a file on the first network device, see fig.3, col.1 lines 32-55 and col.3 lines 19-46) accessible by the terminal through a direct connection between the terminal and the storage device (connecting the terminal and the storage device through a network to provide multicast messages, see fig.7, col.5 line 38 to col.6 line 28); and

if computer system specific configuration settings are available for retrieval from a storage device connected to the POS terminal, storing computer system-specific configuration settings to the POS terminal (see col.3 line 47 to col.4 line 11).

Paul does not specifically disclose computer system specific configuration settings including at least one of brightness, volume, and energy saving settings. However, Williams discloses computer system specific configuration settings including at least one of brightness, volume, and energy saving settings (configures system configuration settings of system in accordance with the user preference information found in the user profile corresponding to the identified user including volume, see abstract, fig.2, col.5 line 30 to col.6 line 32). It would have been obvious

to one of the ordinary skill in the art at the time the invention was made to implement Williams's teachings into the computer system of Paul to update user preference data information because it would have enabled users to monitor and update a wide range of configurable options in a profile database in a communications network.

As to claim 19, Paul discloses specified event includes at least one of expiration of a delay period and computer system shutdown (see col.5 lines 3-67).

As to claim 20, Paul discloses a computer implemented method of storing configuration settings of a POS terminal comprising the steps of:

receiving a specified event at the POS terminal (writing network configuration into a file on the first device, see fig.3, col.1 lines 40-55 and col.3 lines 19-46);

performing an automated search by the POS terminal for computer specific configuration settings (generating a worldwide unique identifier placed in the configuration request for use in subsequent transmissions to the new device sending a "configuration pending" message from the configuration device to mark the message for the device, see col.3 line 29 to col.4 line 11), the search including determining if the POS terminal executing handheld platform operating software is connected to a network connection having a computer system and if the POS terminal is connected through a network connection, determining if computer system specific configuration settings are available for retrieval from a specifically identified storage device through the network (connecting the terminal and the storage device through a network to

provide multicast and configuration messages, see fig.7, see col.3 line 47 to col.4 line 11 and col.5 line 38 to col.6 line 28); and

if the POS terminal executing a handheld platform operating software is connected to the network connection having a computer system and computer system specific configuration settings are available for retrieval through the network, storing computer system-specific configuration settings to the POS terminal (see col.3 line 47 to col.4 line 11).

Paul does not specifically disclose computer system specific configuration settings including at least one of brightness, volume, and energy saving settings. However, Williams discloses computer system specific configuration settings including at least one of brightness, volume, and energy saving settings (configures system configuration settings of system in accordance with the user preference information found in the user profile corresponding to the identified user including volume, see abstract, fig.2, col.5 line 30 to col.6 line 32). It would have been obvious to one of the ordinary skill in the art at the time the invention was made to implement Williams's teachings into the computer system of Paul to update user preference data information because it would have enabled users to monitor and update a wide range of configurable options in a profile database in a communications network.

As to claim 21, Paul discloses that specified event includes at least one of expiration of a delay period and computer system shutdown (see col.5 lines 3-67).

Claim 22 is rejected for the same reasons set forth in claim 18.

As to claim 23, Paul discloses sequences of instructions which, when executed by said processor, cause said processor to determine if the POS terminal is connected to a network connection having a computer system providing access to computer system specific configuration settings and if the POS terminal is connected to the network connection having a computer system providing access to computer system specific configuration settings, store the computer system-specific configuration settings to the computer system (see fig.4, col.4 lines 12-50 and col.5 lines 4-35).

Response to Arguments

4. Applicant's arguments filed on 4/10/2007 have been fully considered but they are not persuasive.

- Applicant asserts that the cited reference does not disclose "accessible to the terminal through a direct connection between the terminal and the storage device".

Examiner respectfully disagrees. Examiner respectfully point out that Paul discloses the Applicant claimed invention as accessible to the terminal through a direct connection between the terminal and the storage device (connecting the terminal and the storage device through a network to provide multicast and configuration messages, see fig.7, col.5 line 38 to col.6 line 28) as rejected above.

As a result, cited prior art does disclose a system and method a computer implemented method of storing configuration settings of a POS terminal, as broadly claimed by the

Art Unit: 2151

Applicants. Applicants clearly have still failed to identify specific claim limitations that would define a clearly patentable distinction over prior art.

Conclusion

5. Claims 1-11 and 17-23 are rejected.
6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Khanh Dinh whose telephone number is (571) 272-3936. The examiner can normally be reached on Monday through Friday from 8:00 A.m. to 5:00 P.m.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Zarni Maung, can be reached on (571) 272-3939. The fax phone number for this group is (571) 273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Khanh Dinh
KHANH DINH
PRIMARY EXAMINER
TECHNOLOGY CENTER 2100